

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 7

Complete if Known

Application Number	10/607,769
Filing Date	June 27, 2003
First Named Inventor	Hareland, Scott A.
Group Art Unit	2891
Examiner Name	Such, Matthew W.

Attorney Docket No: 42P15685

US PATENT DOCUMENTS

Examiner Initial *	Cite No. ¹	USP Document Number	Publication or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-20010019886	09/06/2001	Bruce, , et al.	
		US-20020036290	03/28/2002	Inaba, Satoshi , et al.	
		US-20020074614	06/20/2002	Furuta, , et al.	
		US-20020096724	07/25/2002	Liang, Chunlin , et al.	
		US-20020160553	10/31/2002	Yamanaka, Hideo , et al.	
		US-20030057477	03/27/2003	Hergenrother, John M., et al.	
		US-20030098488	05/29/2003	O'Keeffe, James , et al.	
		US-20030174534	09/18/2003	Clark, , et al.	
		US-20030201458	10/30/2003	Clark, William F., et al.	
		US-20030227036	12/11/2003	Sugiyama, Naoharu , et al.	
		US-20040033639	02/19/2004	Chinn, , et al.	
		US-20040061178	04/01/2004	Lin, Ming-Ren , et al.	
		US-20040070020	04/15/2004	Fujiwara, , et al.	
		US-20040075149	04/22/2004	Fitzgerald, Eugene A., et al.	
		US-20040099966	05/27/2004	Chau, , et al.	
		US-20040108523	06/10/2004	Chen, , et al.	
		US-20040145019	07/29/2004	Dakshina-Murthy, Srikanteswara , et al.	
		US-20040180491	09/16/2006	Arai, Nobutoshi , et al.	
		US-20040203254	10/14/2004	Conley, John F., et al.	
		US-20040219722	11/04/2004	Pham, Daniel T., et al.	
		US-20040222473	11/11/2004	Risaki,	
		US-20050019993	01/27/2005	Lee, Deok-Hyung , et al.	
		US-20050093067	05/01/2005	Yeo, , et al.	
		US-20050139860	06/30/2005	Synder, John P., et al.	
		US-20050145944	07/07/2005	Murthy, , et al.	
		US-20050148131	07/07/2005	Brask,	
		US-20050161739	07/28/2005	Anderson, , et al.	
		US-20050167766	08/04/2005	Yagishita, Atsushi	
		US-20050170593	08/04/2005	Kang, , et al.	
		US-20050184316	08/25/2005	Kim,	
		US-20050199919	09/15/2005	Liu,	
		US-20050215014	09/29/2005	Ahn, , et al.	
		US-20050215022	09/29/2005	Adam, , et al.	
		US-20050224800	10/13/2005	Lindert, Nick , et al.	
		US-20050233156	10/20/2005	Senzaki, Yoshihide	
		US-20050239252	10/27/2005	Ahn, , et al.	
		US-20050277294	12/15/2005	Schaefer, , et al.	

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	US-20060040054	02/23/2006	Pearlstein, , et al.	
	US-20060046521	03/02/2006	Vaartstra, , et al.	
	US-20060071299	04/06/2006	Doyle, , et al.	
	US-20060154478	07/13/2006	Hsu, , et al.	
	US-20060172480	08/03/2006	Wang, Chih-Hao , et al.	
	US-20060202270	09/14/2006	Son, , et al.	
	US-20060281325	12/14/2006	Chou, Pei-Yu , et al.	
	US-20070001219	01/04/2007	Radosavljevic, Marko , et al.	
	US-20070045748	03/01/2007	Booth, JR., , et al.	
	US-20070093010	04/26/2007	Mathew, Leo , et al.	
	US-4,487,652	12/11/1984	Almgren, Carl W.	
	US-4,818,715	04/04/1989	Chao, Fung-Ching	
	US-4,907,048	03/06/1990	Huang, Tiao-Yuan	
	US-4,994,873	02/19/1991	Madan, Sudhir K.	
	US-5,346,836	09/13/1994	Manning, Monte , et al.	
	US-5,357,119	10/18/1994	Wang, Kang L., et al.	
	US-5,475,869	12/12/1995	Gomi, Masatoshi , et al.	
	US-5,479,033	12/26/1995	Baca, Albert G., et al.	
	US-5,652,454	07/29/1997	Iwamatsu, Toshiaki , et al.	
	US-5,665,203	09/09/1997	Lee, Young M., et al.	
	US-5,682,048	10/28/1997	Shinohara, Toshiro , et al.	
	US-5,776,821	07/07/1998	Haskell, Jacob , et al.	
	US-5,793,088	08/11/1998	Choi, , et al.	
	US-5,804,848	09/08/1998	Mukai,	
	US-5,844,278	12/01/1998	Mizuno, , et al.	
	US-5,880,015	03/09/1999	Hata, William Y.	
	US-5,899,710	05/04/1999	Mukai,	
	US-5,952,701	08/18/1997	Bulucea, Constantin	
	US-6,018,176	01/25/2000	Lim,	
	US-6,031,249	02/29/2000	Yamazaki, Shunpei , et al.	
	US-6,066,869	05/23/2000	Noble, , et al.	
	US-6,087,208	07/11/2000	Krivokapic, Zoran , et al.	
	US-6,093,621	07/25/2000	Tseng, Horng-Huei	
	US-6,114,201	09/05/2000	Wu,	
	US-6,117,741	09/12/2000	Chatterjee, Amitava , et al.	
	US-6,144,072	11/07/2000	Iwamatsu, , et al.	
	US-6,150,222	11/21/2000	Gardner, Mark I., et al.	
	US-6,153,485	11/28/2000	Pey, , et al.	
	US-6,165,880	12/26/2000	Yaung, , et al.	
	US-6,190,975	02/20/2001	Kubo, Minoru , et al.	
	US-6,218,309	04/17/2001	Miller, Alan J., et al.	
	US-6,251,729	06/26/2001	Montree, Andreas H., et al.	

EXAMINER

DATE CONSIDERED

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Sheet 3 of 7	Attorney Docket No: 42P15685	

	US-6,259,135	07/10/2001	Hsu, , et al.	
	US-6,261,921	07/17/2001	Yen, Ching-Lang , et al.	
	US-6,274,503	08/14/2001	Hsieh, Chi-Kuo	
	US-6,294,416	09/25/2001	Wu, Shye-Lin	
	US-6,307,235	10/23/2001	Forbes, , et al.	
	US-6,310,367	10/30/2001	Yagishita, Atsushi , et al.	
	US-6,335,251	01/01/2002	Miyano, Kiyotaka , et al.	
	US-6,362,111	03/26/2002	Laaksonen, Reima , et al.	
	US-6,383,882	05/07/2002	Lee, , et al.	
	US-6,387,820	05/14/2002	Sanderfer, Anne	
	US-6,399,970	06/04/2002	Kubo, Minoru , et al.	
	US-6,403,434	06/11/2002	Yu, Bin	
	US-6,407,442	07/18/2002	Inoue, Shunsuke , et al.	
	US-6,424,015	11/16/2001	Ishibashi, Koichiro , et al.	
	US-6,458,662	10/01/2002	Yu, Bin	
	US-6,459,123	10/01/2002	Enders, , et al.	
	US-6,472,258	10/29/2002	Adkisson, , et al.	
	US-6,483,146	11/19/2002	Lee, Seong-soo , et al.	
	US-6,498,096	12/24/2002	Bruce, James A., et al.	
	US-6,500,767	12/31/2002	Chiou, Jen-Jiann , et al.	
	US-6,501,141	12/31/2002	Leu, Jen-Shiang	
	US-6,506,692	05/30/2001	Andideh, Ebrahim	
	US-6,534,807	03/18/2003	Mandelman, Jack A., et al.	
	US-6,537,885	03/25/2003	Kang, Woo-Tag , et al.	
	US-6,583,469	06/24/2003	Fried, , et al.	
	US-6,610,576	08/26/2003	Nowak,	
	US-6,630,388	10/07/2003	Sekigawa, , et al.	
	US-6,642,090	11/04/2003	Fried, , et al.	
	US-6,642,114	11/04/2003	Nakamura, Shunji	
	US-6,645,826	11/11/2003	Yamazaki, , et al.	
	US-6,656,853	12/02/2003	Ito,	
	US-6,657,259	12/02/2003	Fried, , et al.	
	US-6,664,160	12/16/2003	Park, Dae-Gyu , et al.	
	US-6,686,231	02/03/2004	Ahmed, Shibly S., et al.	
	US-6,689,650	12/10/2004	Gambino, , et al.	
	US-6,693,324	12/17/2004	Maegawa, , et al.	
	US-6,696,366	02/24/2004	Morey, Ian J., et al.	
	US-6,716,686	04/06/2004	Buynoski et al.,	
	US-6,744,103	06/01/2004	Synder, John P.	
	US-6,762,469	07/13/2004	Mocuta, Anda C., et al.	
	US-6,764,884	07/20/2004	Yu, Bin , et al.	
	US-6,770,516	08/03/2004	Wu, , et al.	

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	Examiner Name	Such, Matthew W.
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	US-6,787,402	09/07/2004	Yu,	
	US-6,787,439	09/07/2004	Ahmed, , et al.	
	US-6,787,845	09/07/2004	Deleonibus, Simon	
	US-6,794,718	09/21/2004	Nowak, , et al.	
	US-6,798,000	09/28/2004	Luyken, , et al.	
	US-6,800,910	10/05/2004	Lin, , et al.	
	US-6,803,631	10/12/2004	Dakshina-Murthy, , et al.	
	US-6,812,075	11/02/2004	Fried, , et al.	
	US-6,812,111	11/02/2004	Cheong, , et al.	
	US-6,815,277	11/09/2004	Fried, , et al.	
	US-6,821,834	11/23/2004	Ando,	
	US-6,833,588	12/21/2004	Yu, , et al.	
	US-6,835,614	12/28/2004	Hanafi, , et al.	
	US-6,844,238	01/18/2005	Yeo, , et al.	
	US-6,849,556	02/01/2005	Takahashi, Akira	
	US-6,849,884	02/01/2005	Clark, , et al.	
	US-6,855,606	12/15/2005	Chen, , et al.	
	US-6,855,990	02/15/2005	Yeo, , et al.	
	US-6,885,055	04/26/2005	Lee,	
	US-6,897,527	05/24/2005	Dakshina-Murthy, , et al.	
	US-6,902,962	06/07/2007	Yeo, , et al.	
	US-6,909,151	06/21/2005	Hareland et al.,	
	US-6,921,691	07/26/2005	Li, Hong-Jyh , et al.	
	US-6,921,963	07/26/2005	Krivokapic, , et al.	
	US-6,924,190	08/02/2005	Dennison, Charles H.	
	US-6,960,517	11/01/2005	Rios, , et al.	
	US-6,967,351	11/22/2005	Fried, , et al.	
	US-7,018,551	03/28/2006	Beintner, Jochen C., et al.	
	US-7,045,401	05/16/2006	Lee, , et al.	
	US-7,060,539	06/13/2006	Chidambarao, , et al.	
	US-7,061,055	06/13/2006	Sekigawa, , et al.	
	US-7,071,064	07/04/2006	Doyle, Brian , et al.	
	US-7,074,623	07/11/2006	Lochtefeld, , et al.	
	US-7,105,390	09/12/2006	Brask, , et al.	
	US-7,105,891	09/12/2006	Visokay, Mark R.	
	US-7,105,894	09/12/2006	Yeo et al.,	
	US-7,112,478	09/26/2006	Grupp, Daniel E., et al.	
	US-7,122,463	10/17/2006	Ohuchi, Masahiko	
	US-7,141,856	11/28/2006	Lee, Deok H., et al.	
	US-7,154,118	12/26/2006	Lindert,	
	US-7,163,851	01/16/2007	Adadeer, , et al.	
	US-7,183,137	02/27/2007	Lee, , et al.	

EXAMINER

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		US-7,187,043	03/06/2007	Arai, , et al.	
		US-7,241,653	07/10/2007	Hareland, Scott A., et al.	
		US-7,250,645	07/31/2007	Wang, Haihong , et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No ¹	Foreign Patent Document Country Code/Number/Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
		DE-DE10203998	08/21/2003	Infineon Technologies,		
		EP-EP1091413	04/11/2001	LSI Logic Corp,		
		EP-EP1202335	05/02/2002	Adkisson, , et al.		
		JP-JP06005856	01/14/1994	Kawasaki Steel Corp,		
		JP-JP06177089	06/24/1994	Kobayashi,		
		JP-JP2001338987	12/07/2001	Seiya,		
		JP-JP2003298051	10/17/2003	Lee, Soko		
		JP-JP56073454	06/18/1981	Kato, Yutaka , et al.		
		JP-JP6151387	05/31/1994	Takashi, Morimoto		
		WO-WO03003442	01/09/2003	Infineon Technologies,		
		WO-WO2005036651	04/21/2005	NEC Corp,		

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		"10/227,068 Office Action", Attorney Docket No.: 42P14435, (12/18/06), pp 1-25	
		"10/703,316 Office Action", Attorney Docket No.: 42P14435D, (12-15-06), pp 1-22	
		"11/158,661 Final Office Action", Attorney Docket No. 42P21096, (1/15/2008), 25 pages	
		"11/234,014 Non-Final Office Action", Atty Dk# 42P22151, mailed 01-23-08, 9 pgs.	
		"International Search Report & Written Opinion", PCT/US2006/037634, (05/31/2007), 1-21	
		"International Search Report & Written Opinion", PCT/US2005/000947, (05/03/05), 1-14	
		"International Search Report & Written Opinion", PCT/US2006/025751, (12/6/2006), 1-14	
		"International Search Report & Written Opinion", PCT/US2004/032442, (06/16/2005), 1-21	
		"International Search Report and Written Opinion", PCT/US2005/020339, (10/04/2005), 1-12	
		BUCHANAN, D. A., et al., "Fabrication of Midgap Metal Gates Compatible With Ultrathin Dielectrics", Applied Physics Letters 73.12, (9/21/1998), pgs. 1676-1678	
		CLAFLIN, B. , et al., "Interface Studies of Tungsten Nitride And Titanium Nitride Composite Metal Gate Electrodes With Thin Dielectric Layers", Journal of Vacuum Science and Technology A 16.3, (May/June 1998), pgs. 1757-1761	

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		FRIED, DAVID M., et al., "High-Performance P-Type Independent-Gate FinFETs", IEEE 25(4):, (2004), 199-201	
		FRIED, DAVID M., et al., "Improved Independent Gate N-Type FinFET Fabrication and Characterization", IEEE 24(9):, 1-3	
		GUO, JING , et al., "Performance Projections for Ballistic Carbon Nanotube Field-Effect Transistors", Applied Physics Letters 80(17):, (4/29/2002), 3192-3194	
		HUANG, XUEJUE , et al., "Sub 50 nm FinFET: PMOS", 1999 IEEE International Electron Device Meeting Technical Digest, (1999), pp 67-70	
		HWANG, JEONG-MO , et al., "Novel Polysilicon/Tin Stacked-Gate Structure for Fully-Depleted SOI/CMOS", International Electronic Devices Meeting Technical Digest, (1992), pgs. 345-348	
		JAVEY, ALI , et al., "Ballistic Carbon Nanotube Field-Effect Transistors", Nature, vol 424, (08/03/2003), 654-657	
		JAVEY, ALI , et al., "High-k Dielectrics for Advanced Carbon-Nanotube Transistors and Logic Gates", www.nature.com/naturematerials.com, (2002), 1-8	
		KUO, CHARLES , et al., "A Capacitorless Double Gate DRAM Technology for Sub-100-nm Embedded and Stand-Alone Memory Applications", IEEE 50(12):, (2003), 2408-2416	
		KUO, CHARLES , et al., "A Capacitorless Double-Gate DRAM Cell Design for High Density Applications", IEEE, (2002), 843-846	
		MARTEL, RICHARD , et al., "Carbon Nanotube Field Effect Transistors for Logic Applications", IEEE, 7.5.1-7.5.4	
		MAYER, T. M., et al., "Chemical Vapor Deposition of Fluoroalkylsilane Monolayer Films for Adhesion Control in Microelectromechanical Systems", J. Vac. Sci. Technol. B. 18(5):, (2000), 2433-2440	
		NACKAERTS, et al., "A 0.314um ² 6T-SRAM Cell build with Tall Triple-Gate Devices for 45nm node applications using 0.75NA 193nm lithography", IDEM, (2004), 269-272	
		NOWAK, EDWARD J., et al., "Turning Silicon On Its Edge.", IEEE Circuits & Devices Magazine Vol 1, (Jan/Feb 2004),	
		OHSAWA, TAKASHI , et al., "Memory Design Using a One-Transistor Gain Cell on SOI", IEEE 37(11):, (2002), 1510-1522	
		PARK, DONGGUN , et al., "3-dimensional nano-CMOS Transistors to Overcome Scaling Limits", IEEE 2004, ISBN 0-7803-8511-X, (2004), 35-40	
		SUGIZAKI, T. , et al., "Novel Multi-bit SONOS Type Flash Memory Using a High-k Charge Trapping Layer", VLSI Technology, 2003. Digest of Technical Papers. Symposium on 10-12 June 2003., (2003), pgs. 27-28	
		TANAKA, T. , et al., "Scalability Study on a Capacitorless IT-DRAM: From Single-gate PD-SOI to Double-gate FinDRAM", IEEE, (2004), 1-4	

EXAMINER

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		TOKORO, KENJI , et al., "Anisotropic Etching Properties of Silicon in KOH and TMAH Solutions", International Symposium on Micromechatronics and Human Science, IEEE, (1998), pp. 65-70	
		WOLF, STANLEY , et al., "Wet Etching Silicon", Silicon Processing for the VLSI Era, Vol. 1: Process Technology, Lattice Press, Sunset Beach, CA, (Sept. 1986), 3 pages	

EXAMINER

DATE CONSIDERED